

Cimarron Pressure Operated Actuator Valve Series

Cimarron introduces another innovative and cost effective solution to the Gas and Oil industry. Our new patent pending P.O.A. Series of valves can be setup to function in two different modes depending on your application. In normal mode it acts much like other valves on the market. It provides control/complete shut-off. One of the main features that set it apart from our competitors is when it is operated in Control/Relief Mode. In this mode the valve will start to open when the cracking pressure has been reached. This is useful in situations where you want to open the valve to help guard against over pressuring a tank.

Applications:

- Perfect for Low pressure vapor control
- Installed in the relief acting position can help guard against over pressuring production tanks.



Features :

- Can be installed to allow either control/complete shut-off or control/relief acting above normal operating pressures.
- Full port beneficial for low pressure flow. Larger than for shut-off or control/relief acting applications
- Field convertible from Straight to Angle body valve.
- Valve seat can be changed in the field with out use of special tools.
- Temperature measurement ports
- Pressure measurement ports
- Valve insulation kits available in most sizes

Specifications

Standard Models	Description	Mode	Minimum Actuation Pressure	Maximum Actuation Pressure	Cracking Pressure	M.A.W.P (Maximum Allowed Working Pressure)
250-AV	2 ½ inch Flanged ANSI 125/PN16 Actuator Valve	Shut-off Acting	20 psi.	150 psi.	N/A	30 Oz/in ²
		Relief Acting	20 psi.	150 psi.	30 Oz/in ²	30 Oz/in ²
300-AV	3 inch Flanged ANSI 125/PN16 Actuator Valve	Shut-off Acting	15 psi.	150 psi.	N/A	25 Oz/in ²
		Relief Acting	15 psi.	150 psi.	25 Oz/in ²	25 Oz/in ²
4",6",8",10",12" Flanged * Custom Fabricated						

Note: Cimarron Energy recommends the valve be installed horizontally for control/complete shut-off acting mode. Can be installed vertically for the control/relief acting mode.

Material of Construction

Body	Disc	Seat/O-ring	Seat Holder	Actuator Seals	Actuator Rod	Actuator Body	Actuator Heads
Cast Iron	304 S.S.	Viton	Delrin	Viton	303 S.S.	304 S.S.	Anodized Aluminum

